

AMENDMENTS TO THE CLAIMS

This list of claims will replace all prior versions and listing of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) ~~A~~ Canonical general response bandpass microwave filter comprising a plurality of resonator cavities arrangement in rows, each resonator cavity being coupled with at least a sequential adjacent resonator cavity for providing a main path for an electromagnetic energy to be transmitted from a first resonator cavity (1) to a last resonator cavity, the electromagnetic energy being injected into the first resonator cavity (1) by an input terminal (20) through an input coupling, and the electromagnetic energy being extracted from the last resonator cavity by an output terminal (21) through an output coupling, the first and last resonator cavities ~~are~~ being non-sequential cross coupled adjacent cavities; ~~characterized by that wherein~~ the resonator cavities are adapted to be arranged in more than two adjacent rows and more than two adjacent columns.

2. (Original) The microwave filter according to claim 1, including more rows than columns.

3. (Withdrawn) The microwave filter according to claim 1, comprising more columns than rows.

4. (Withdrawn) The microwave filter according to claim 1, including an equal number of columns and rows.

5. (Currently Amended) The microwave filter according to claim 1, ~~comprising~~wherein at least ~~a~~one resonator cavity is adapted to couple a sequential adjacent resonator cavity and a non-sequential adjacent cavity.

6. (Currently Amended) The microwave filter according to claim 5, ~~including~~wherein at least ~~a~~one resonator cavity is adapted to couple at least two sequential adjacent resonator cavities and at least ~~a~~one non-sequential adjacent cavities.

7. (Currently Amended) The microwave filter according to claim 6, ~~including~~wherein at least ~~a~~one resonator cavity is adapted to couple at least two sequential adjacent resonator ~~cavity~~cavities and at least two non-sequential adjacent ~~cavity~~cavities.

8. (Withdrawn, Currently Amended) The microwave filter according to claim 6, ~~comprising~~wherein at least ~~a~~one resonator cavity is adapted to couple at least two sequential adjacent resonator cavities, at least ~~a~~one non-sequential adjacent ~~cavities~~cavity and at least ~~a~~one non sequential non adjacent cavities.

9. (Withdrawn, Currently Amended) The microwave filter according to claim 7, ~~comprising~~wherein at least ~~a~~one resonator cavity is adapted to couple at least two sequential

adjacent resonator cavities, at least two non-sequential adjacent cavities and at least ~~aone~~ non sequential non adjacent cavity.

10. (Currently Amended) The microwave filter according to claim 1, ~~including~~wherein at least ~~aone~~ row ~~is adapted to have~~has a lower number of resonator cavities than another row.

11. (Currently Amended) The microwave filter according to claim 1, ~~includes~~wherein at least ~~aone~~ column ~~is adapted to have~~has a lower number of the resonator cavities than another column.

12. (Previously Presented) The microwave filter according to claim 1, wherein the main path passes through more than two rows and two columns of resonator cavities.

13. (Previously Presented) The microwave filter according to claim 1, wherein each resonator cavity comprises a dielectric resonator.

14. (Previously Presented) The microwave filter according to claim 1, wherein each resonator cavity is an empty wave guide cavity.

15. (Previously Presented) The microwave filter according to claim 1, wherein each resonator cavity is a coaxial resonator.